Claim 1	Taiwan Patent No. 186944 "Yuan"	U.S. Patent No. 5,375,655 "Lee"
A heat sink assembly for use in removal of heat from a heat generating electronic device, said heat sink assembly	Figures 1-3	Abstract: "An improved heat sink apparatus"
(a) a solid flat base;	Figures 1-3, item 30	Figures 2, 5-9, item 25 Abstract: "The apparatus includes a thermally conductive base plate"
(b) a housing which is fixed relative to said base,	Figures 1-3, item 20	Figures 5-8, item 28
said housing having a top wall which is spaced from said base, and side walls which extend from said base to said top wall, a first end opening at a first end of said base which is defined by said base, side walls and top wall, a second end opening which is defined by said base, side walls and top wall at a second end of said base which is opposite said first end opening.	Figures 1-3, item 20	Figures 5-8, item 28
and an aperture in said top wall which is spaced from said first and second end openings;	Figure 1, 11em 21	Figure 7, items 28 and 34
(c) a plurality of parallel spaced fins which are fixed to said base,	Figures 1-3, item 31	Figures 2, 5-9, item 14 "A complete assembly of fin assembly components is mounted on a thick plate and bonded to the plate via adhesive, solder, brazing or other suitable means." 2:34-37
said fins extending from said base to said top wall,	Figures 1-3, 1tem 31	Figures 5-8, item 28
said fins defining with said base and said top wall a plurality of channels which extends from said first end opening to said second end opening,	Figures 1-3, item 31	Figures 10, 12

	Interior	
Claim 1	Taiwan Patent No. 186944	U.S. Patent No. 5,375,655
	"Yuan"	"Lee"
the portions of said channels which lie	Figures 1-3, item 31	Figure 7, items 28 and 34
beneath said aperture being open to said	. i	
aperture; and		
(d) a fan assembly which is fixed to said	Figures 1-3, items 10, 11, 12	"The same advantage is also obtainable in
top wall above said aperture for blowing	. I	forced fluid flow applications, where a fan
air through said aperture and creating an		is used to increase circulation across
airflow through said channels from said		finned surfaces of a heat sink, resulting in
aperture to each of said first and second		an improved performance." 5:67-6:3
end openings.		"The arrangement of FIG. 7 uses a cover
		28 having an opening therein to allow a
		split fluid flow pattern that directs fluid
		flow into the top opening and out two
	àudino m	sides of the apparatus." 8:43-46
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Claim 2	Taiwan Patent No. 186944	U.S. Patent No. 5,375,655
	"Yuan"	"Lee"
A heat sink assembly as recited in claim 1,	Figures 1-3, items 10, 11, 12	Abstract: "An improved heat sink
wherein said fan assembly comprises:	within the distribution of the second	apparatus"
(a) a fan housing which is fixed to said top	Figures 1-3, items 10, 11, 12	"The same advantage is also obtainable in
wall, said fan housing having a bottom	**	forced fluid flow applications, where a fan
opening at said aperture and a top	and the state of t	is used to increase circulation across
opening; and		finned surfaces of a heat sink, resulting in
•		an improved performance." 5:67-6:3
		"The arrangement of FIG. 7 uses a cover
		28 having an opening therein to allow a
		split fluid flow pattern that directs fluid
		flow into the top opening and out two
	- West distributed by	sides of the apparatus." 8:43-46
(b) a rotor which has at least one fan	Figures 1-3, 1tem 10	An axial fan inherently has a rotor and at
blade, said rotor being rotatably mounted		least one fan blade
within said fan housing between said	AGO TO THE TOTAL TO	
bottom and top openings.		10000000110000000000000000000000000000

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Claim /	Taiwan Palent No. 186944 "Yuan"	"Lee"
A heat sink assembly for use in removal of	Figures 1-3	Abstract: "An improved heat sink
heat from a heat generating electronic device, said heat sink assembly		apparatus"
comprising:		חור היים היים היים היים היים היים היים היי
(a) a flat base wall;	Figures 1-3, item 30	Figures 2, 5-9, item 25 Abstract: "The apparatus includes a thermally conductive base plate"
(b) a housing which is fixed relative to said base wall,	Figures 1-3, item 20	Figures 5-8, item 28
said housing having a top wall which is spaced from said base wall, and side walls which extend from said base wall to said	Figures 1-3, item 20	Figures 5-8, 11em 28
top wall, a first end opening at a first end of said base wall which is defined by said base wall, said side walls and said top wall, a second end opening which is		
and said top wall at a second end of said base wall which is opposite said first end,		
and an aperture in said top wall which is spaced from said first and second end openings:	Figure 1, item 21	Figure 7, items 28 and 34
(c) a plurality of parallel spaced fins which are fixed to said base wall,	Figures 1-3, item 31	Figures 2, 5-9, item 14 "A complete assembly of fin assembly
		components is mounted on a thick plate and bonded to the plate via adhesive, solder, brazing or other suitable means." 2:34-37
said fins extending from said base wall to said top wall,	Figures 1-3, 1tem 31	Figures 5-8, item 28
said fins defining with said base and said top wall a plurality of channels which	Figures 1-3, 1tem 31	Figures 10, 12
second end opening,		

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top wall above said aperture for blowing		forced fluid flow applications, where a tan
air through said aperture and creating an	washinan da ash	is used to increase circulation across
airflow through said channels from said		finned surfaces of a heat sink, resulting in
aperture to each of said first and second		an improved performance." 5:67-6:3
end openings, said fan assembly		"The arrangement of FIG. 7 uses a cover
comprising:		28 having an opening therein to allow a
		split iluid flow pattern that directs fluid
	ne ann de control de c	flow into the top opening and out two
AAAAA MARAAA MARAAA AAAAA AAAAA AAAAA AAAAA AAAAA AAAAA AAAA		sides of the apparatus. 8:43-40
(1) a Ian nousing which is lixed to said top wall, said fan housing having a bottom	rigures 1-3, items 10, 11, 12	forced fluid flow applications, where a fan
opening at said aperture and a top		is used to increase circulation across
opening; and		finned surfaces of a heat sink, resulting in
,		an improved performance." 5:67-6:3
		"The arrangement of FIG. 7 uses a cover
		28 having an opening therein to allow a
	and the state of t	split fluid flow pattern that directs fluid
	-dod-ereilabaka noti	flow into the top opening and out two
		sides of the apparatus." 8:43-46
(2) a rotor which has at least one fan	Figures 1-3, item 10	An axial fan inherently has a rotor and at
blade, said rotor being rotatably mounted		least one fan blade
within said fan housing between said	and the state of t	
bottom and top openings,	A A A A A A A A A A A A A A A A A A A	
said fan blade being spaced from the fins	Figure 2	Figure 7, items 28 and 34
so as to define a plenum chamber between	Obvious to combine with 333100	Obvious to combine with 333100
said blade and said fins	Disclosure	Disclosure
*	HAMMAHAMAAAAAAAAAAAAAA AAAAAAAAAAAAAAAA	

Claim 8	Taiwan Patent No. 186944	U.S. Patent No. 5,375,655
	"Yuan"	"Lee"
A heat sink assembly as recited in claim 7, Obvious way to provide the plenum of	Obvious way to provide the plenum of	Obvious way to provide the plenum of
wherein the portions of said fins which are	Claim 7	Claim 7
directly below said aperture are below the	Obvious to combine with 333100	Obvious to combine with 333100
level of said top wall and are vertically	Disclosure	Disclosure
spaced from said aperture.		

11 Activitation and the second	I STATUS AND	second end obening,
		extends from said first end opening to said
, boundary of	, tt	said top wall a plurality of channels which
Figure 1 and 8	Figures 10 12	said fine defining with said base wall and
Figure 2, item 4	Figures 5-8, item 28	said fins extending from said base wall to
	solder, brazing or other suitable means." 2:34-37	
	components is mounted on a thick plate	
Figures 6 and 7, item 4	"A complete assembly of fin assembly	are fixed to said base wall,
		openings;
		spaced from said first and second end
Figure 8, 1tem 29	Figure 7, items 28 and 34	and an aperture in said top wall which is
		base which is opposite said first end,
	nae de la	and said top wall at a second end of said
		defined by said base wall, said side walls
		wall, a second end opening which is
		base wall, said side walls and said top
		of said base wall which is defined by said
	bibronosa	top wall, a first end opening at a first end
	man na riddinn d	which extend from said base wall to said
	†	spaced from said base wall, and side walls
Figure 8, item 21	Figures 5-8, item 28	said housing having a top wall which is
	C	said base wall,
Figure 8, items 21 and 27	Figures 5-8, Item 28	(b) a housing which is fixed relative to
	Abstract: The apparatus includes a thermally conductive base plate"	
rigures o and 1, helif o	rigures 2, 5-9, item 25	(a) a Hat base Wall;
1, , , , , , , , , , , , , , , , , , ,	1	comprising:
	T P	device, said heat sink assembly
C	apparalus"	heat from a heat generating electronic
Figures 1 and 8	Abstract: "An improved heat sink	A heat sink assembly for use in removal of
Japanese Patent 63-157994 "Tanaka"	U.S. Patent No. 5,375,655 "Lee"	Claım 9
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from the openings at both ends of the	flow into the top opening and out two	
taken this heat is dissipated to the outside	split fluid flow pattern that directs fluid	
" T]he heated outside air that has instead	28 having an opening therein to allow a	
respectively." p. 4	"The arrangement of FIG. 7 uses a cover	end openings.
(21) and the outside cover (22),	an improved performance." 5:67-6:3	aperture to each of said first and second
formed in the center of the inside cover	finned surfaces of a heat sink, resulting in	airflow through said channels from said
facing the intake holes (29) and (29)	is used to increase circulation across	air through said aperture and creating an
"Intake fans (28) and (28) are positioned	forced fluid flow applications, where a fan	top wall above said aperture for blowing
Figure 8, item 28	"The same advantage is also obtainable in	(d) a fan assembly which is fixed to said
connection with the aperture		to said aperture; and
unconnected at upper ends to allow		of said channels are operatively connected
aperture; it is obvious to have them be	fin configuration of Figure 12	unconnected at their upper ends so that all
side portions to allow connection with the	to provide airflow when using the single	vertically aligned with said aperture being
The fins in Figure 6 are unconnected at	Obvious to make upper ends unconnected	the portions of said fins which are
		of a different adjacent fin,
		end which is connected to the lower end
	14." 7:33-35	upper end of an adjacent fin and a lower
	formed into a plurality of corrugations	upper end which is connected to the
	strip 12 of thermally conductive material	said channels, each of said fins having an
	"The component 10 comprises a thick	of material which extends transversely of
Figure 6, item 4	Figure 1	said fins being a single continuous length
		aperture,
		beneath said aperture being open to said
Figure 6, item 4	Figure 7, items 28 and 34	the portions of said channels which lie
"Tanaka"	"Lee"	Ciaiiii y
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